

COAXIAL DIPOLE ANTENNA

PROGRAM BY VAN LYONS WB6IIY

FEATURES

INEXPENSIVE AND EASY TO BUILD

BROAD BANDED & LOW SWR

NO BALUN REQUIRED

DURABLE AND RELIABLE

DESCRIPTION

THIS DIPOLE IS MADE FROM COAX
CABLE (50 OHM) OF YOUR CHOICE.

EACH LEG OF THE DIPOLE CONSISTS OF
TWO ELECTRICAL SEGMENTS.--

FROM THE CENTER FEEDPOINT TO THE
SHORTING POINT ON EACH LEG IS SEG(A)
--AND FROM THE SHORTING POINT TO THE END
OF EACH LEG IS SEG(B) --SO--
SEG (A)PLUS SEG B=ONE LEG--AND
2A+2B=TOTAL ANTENNA LENGTH--RIGHT?

NOW LETS MAKE ONE TO SUIT YOUR NEEDS
WHAT CENTER FREQ DO YOU WANT?

INPUT CENTER FREQ IN MHZ

7.225

TOTAL ANTENNA LENGTH= 64 FEET 9.3 INCHES

SEG(A)= 22 FEET 5.6 INCHES

SEG(B)= 9 FEET 10.9 INCHES

FEEDLINE LENGTH SHOULD BE

ENTER VELOCITY FACTOR OF COAX?

RG-58 COAX=.66

RG-8X(FOAM)=.80

.8

FEEDLINE LENGTH 54 FEET 5.7 INCHES

IF A LONGER LENGTH IS REQUIRED USE EXACT MULTIPLIES AS NEEDED.

DO YOU WANT MORE FREQUENCIES RUN?

YES=1 , NO=0

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GOOD D.X. OLD MAN